PCT/09 #4P

CRF Errors Corrected by the STIC Systems Branch

Serial Number: 09/869,185 ENTERED

CRF Processing Date: 11/5/2001
Edited by:
Verified by: (STIC stat

BC

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☑ Corrected an obvious error in the response, specifically: 1417 response
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

Examiner: The above corrections must be communicated to the applicant in the first Office Action! DO NOT send a copy of this form.

3/1/95

PCT09

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/869,185

DATE: 11/05/2001
TIME: 13:41:44

Input Set : A:\ES.PTO.MH.txt
Output Set: N:\CRF3\11052001\I869185.raw

ENTERED

3 <110> APPLICANT: Ashikari, Toshihiko
4 Ochiai, Misa
6 <120> TITLE OF INVENTION: Method of Breeding Yeast
8 <130> FILE REFERENCE: 46221
10 <140> CURRENT APPLICATION NUMBER: US 09/869,185
12 <141> CURRENT FILING DATE: 2001-06-25
14 <150> PRIOR APPLICATION NUMBER: PCT/JP00/07491
16 <151> PRIOR FILING DATE: 2000-10-26
18 <160> NUMBER OF SEQ ID NOS: 28
20 <210> SEQ ID NO: 1
22 <211> LENGTH: 34
24 <212> TYPE: DNA
26 <213> ORGANISM: Artificial Sequence
28 <220> FEATURE:
30 <223> OTHER INFORMATION: The FRT sequence used in the present invention contains SEQ ID NO:1
32 <400> SEQUENCE: 1
33 gaagttccta tactttctag agaataggaa cttc 34
36 <210> SEQ ID NO: 2
38 <211> LENGTH: 31
40 <212> TYPE: DNA
42 <213> ORGANISM: Artificial Sequence
44 <220> FEATURE:
46 <223> OTHER INFORMATION: FRT2 which is one of a pair of FRT sequences (FRT2/FRT102) used in a DNA
47 construct of the present invention
49 <400> SEQUENCE: 2
50 gaagttccta tactttctag agaataggaa c 31
53 <210> SEQ ID NO: 3
55 <211> LENGTH: 31
57 <212> TYPE: DNA
59 <213> ORGANISM: Artificial Sequence
61 <220> FEATURE:
63 <223> OTHER INFORMATION: FRT102 which is one of a pair of FRT sequences (FRT2/FRT102) used in a DNA
64 construct of the present invention
66 <400> SEQUENCE: 3
67 gttcctatac tttctagaga ataggaactt c 31
70 <210> SEQ ID NO: 4
72 <211> LENGTH: 28
74 <212> TYPE: DNA
76 <213> ORGANISM: Artificial Sequence
78 <220> FEATURE:
80 <223> OTHER INFORMATION: FRT2W sequence reconstructed by recombination from a pair of FRT sequences
81 (FRT2/FRT102)
83 <400> SEQUENCE: 4
84 gttcctatac tttctagaga ataggaac 28

87 <210> SEQ ID NO: 5
89 <211> LENGTH: 29
91 <212> TYPE: DNA

RAW SEQUENCE LISTING DATE: 11/05/2001
PATENT APPLICATION: US/09/869,185 TIME: 13:41:44

Input Set : A:\ES.PTO.MH.txt
Output Set: N:\CRF3\11052001\I869185.raw

93 <213> ORGANISM: Artificial Sequence
95 <220> FEATURE:
97 <223> OTHER INFORMATION: FRT3 which is one of a pair of FRT sequences (FRT3/FRT103) used in a DNA
98 construct of the present invention
100 <400> SEQUENCE: 5
101 gaagttccta tactttctag agaatagga 29
104 <210> SEQ ID NO: 6
106 <211> LENGTH: 30
108 <212> TYPE: DNA
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
114 <223> OTHER INFORMATION: FRT103 which is one of a pair of FRT sequences (FRT3/FRT103) used in a DNA
115 construct of the present invention
117 <400> SEQUENCE: 6
118 ttcctatact ttctagagaa taggaacttc 30
121 <210> SEQ ID NO: 7
123 <211> LENGTH: 25
125 <212> TYPE: DNA
127 <213> ORGANISM: Artificial Sequence
129 <220> FEATURE:
131 <223> OTHER INFORMATION: FRT3W sequence reconstructed by recombination from a pair of FRT sequences
132 (FRT3/FRT103)
134 <400> SEQUENCE: 7
135 ttcctatact ttctagagaa tagga 25
138 <210> SEQ ID NO: 8
140 <211> LENGTH: 27
142 <212> TYPE: DNA
144 <213> ORGANISM: Artificial Sequence
146 <220> FEATURE:
148 <223> OTHER INFORMATION: FRT4 which is one of a pair of FRT sequences (FRT4/FRT104) used in a DNA
149 construct of the present invention
151 <400> SEQUENCE: 8
152 gaagttccta tactttctag agaatag 27
155 <210> SEQ ID NO: 9
157 <211> LENGTH: 27
159 <212> TYPE: DNA
161 <213> ORGANISM: Artificial Sequence
163 <220> FEATURE:
165 <223> OTHER INFORMATION: FRT104 which is one of a pair of FRT sequences (FRT4/FRT104) used in a DNA
166 construct of the present invention
168 <400> SEQUENCE: 9
169 ctatactttc tagagaatag gaacttc 27
172 <210> SEQ ID NO: 10
174 <211> LENGTH: 20
176 <212> TYPE: DNA
178 <213> ORGANISM: Artificial Sequence
180 <220> FEATURE:
182 <223> OTHER INFORMATION: FRT4W sequence reconstructed by recombination from a pair of

FRT sequences
183 (FRT4/FRT104)

RAW SEQUENCE LISTING DATE: 11/05/2001
PATENT APPLICATION: US/09/869,185 TIME: 13:41:44

Input Set : A:\ES.PTO.MH.txt
Output Set: N:\CRF3\11052001\I869185.raw

185 <400> SEQUENCE: 10
186 ctatactttc tagagaatag 20
189 <210> SEQ ID NO: 11
191 <211> LENGTH: 40
193 <212> TYPE: DNA
195 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
199 <223> OTHER INFORMATION: Oligonucleotide synthesized to insert the FRT1-a sequence (including wild-
200 type FRT sequence) into a plasmid
202 <400> SEQUENCE: 11
203 tcgacgaagt tcctatactt tctagagaat aggaacttcg 40
206 <210> SEQ ID NO: 12
208 <211> LENGTH: 40
210 <212> TYPE: DNA
212 <213> ORGANISM: Artificial Sequence
214 <220> FEATURE:
216 <223> OTHER INFORMATION: Oligonucleotide synthesized to insert the FRT1-b sequence (including wild-
217 type FRT sequence) into a plasmid
219 <400> SEQUENCE: 12
220 aattcgaagt tcctattctc tagaaagtat aggaacttcg 40
223 <210> SEQ ID NO: 13
225 <211> LENGTH: 44
227 <212> TYPE: DNA
229 <213> ORGANISM: Artificial Sequence
231 <220> FEATURE:
233 <223> OTHER INFORMATION: Oligonucleotide synthesized to insert the FRT101-a sequence (including
234 wild-type FRT sequence) into a plasmid
236 <400> SEQUENCE: 13
237 agcttgaagt tcctatactt tctagagaat aggaacttcg catg 44
240 <210> SEQ ID NO: 14
242 <211> LENGTH: 36
244 <212> TYPE: DNA
246 <213> ORGANISM: Artificial Sequence
248 <220> FEATURE:
250 <223> OTHER INFORMATION: Oligonucleotide synthesized to insert the FRT101-b sequence (including
251 wild-type FRT sequence) into a plasmid
253 <400> SEQUENCE: 14
254 cgaagttcct attctctaga aagtatagga acttca 36
257 <210> SEQ ID NO: 15
259 <211> LENGTH: 16
261 <212> TYPE: DNA
263 <213> ORGANISM: Artificial Sequence
265 <220> FEATURE:
267 <223> OTHER INFORMATION: Sequence of synthetic DNA used to prepare FRT2-a sequence
269 <400> SEQUENCE: 15
270 ctagagaata ggaacg 16
273 <210> SEQ ID NO: 16
275 <211> LENGTH: 16
277 <212> TYPE: DNA

RAW SEQUENCE LISTING DATE: 11/05/2001
PATENT APPLICATION: US/09/869,185 TIME: 13:41:44

Input Set : A:\ES.PTO.MH.txt
Output Set: N:\CRF3\11052001\I869185.raw

279 <213> ORGANISM: Artificial Sequence
281 <220> FEATURE:
283 <223> OTHER INFORMATION: Sequence of synthetic DNA used to prepare FRT2-b sequence
285 <400> SEQUENCE: 16
286 aattcgttcc tattct 16
289 <210> SEQ ID NO: 17
291 <211> LENGTH: 18
293 <212> TYPE: DNA
295 <213> ORGANISM: Artificial Sequence
297 <220> FEATURE:
299 <223> OTHER INFORMATION: Sequence of synthetic DNA used to prepare FRT102-a sequence
301 <400> SEQUENCE: 17
302 agcttgttcc tatacttt 18
305 <210> SEQ ID NO: 18
307 <211> LENGTH: 18
309 <212> TYPE: DNA
311 <213> ORGANISM: Artificial Sequence
313 <220> FEATURE:
315 <223> OTHER INFORMATION: Sequence of synthetic DNA used to prepare FRT102-b sequence
317 <400> SEQUENCE: 18
318 ctagaaagta taggaaca 18
321 <210> SEQ ID NO: 19
323 <211> LENGTH: 14
325 <212> TYPE: DNA
327 <213> ORGANISM: Artificial Sequence
329 <220> FEATURE:
331 <223> OTHER INFORMATION: Sequence of synthetic DNA used to prepare FRT3-a sequence
333 <400> SEQUENCE: 19
334 ctagagaata ggag 14
337 <210> SEQ ID NO: 20
339 <211> LENGTH: 14
341 <212> TYPE: DNA
343 <213> ORGANISM: Artificial Sequence
345 <220> FEATURE:
347 <223> OTHER INFORMATION: Sequence of synthetic DNA used to prepare FRT3-b sequence
349 <400> SEQUENCE: 20
350 aattctccta ttct 14
353 <210> SEQ ID NO: 21
355 <211> LENGTH: 16
357 <212> TYPE: DNA
359 <213> ORGANISM: Artificial Sequence
361 <220> FEATURE:
363 <223> OTHER INFORMATION: Sequence of synthetic DNA used to prepare FRT103-a sequence
365 <400> SEQUENCE: 21
366 agctttccta tacttt 16
369 <210> SEQ ID NO: 22
371 <211> LENGTH: 16
373 <212> TYPE: DNA
375 <213> ORGANISM: Artificial Sequence

RAW SEQUENCE LISTING DATE: 11/05/2001
PATENT APPLICATION: US/09/869,185 TIME: 13:41:44

Input Set : A:\ES.PTO.MH.txt
Output Set: N:\CRF3\11052001\I869185.raw

377 <220> FEATURE:
379 <223> OTHER INFORMATION: Sequence of synthetic DNA used to prepare FRT103-b sequence
381 <400> SEQUENCE: 22
382 ctagaaagta taggaa 16
385 <210> SEQ ID NO: 23
387 <211> LENGTH: 12
389 <212> TYPE: DNA
391 <213> ORGANISM: Artificial Sequence
393 <220> FEATURE:
395 <223> OTHER INFORMATION: Sequence of synthetic DNA used to prepare FRT4-a sequence
397 <400> SEQUENCE: 23
398 ctagagaata gg 12
401 <210> SEQ ID NO: 24
403 <211> LENGTH: 12
405 <212> TYPE: DNA
407 <213> ORGANISM: Artificial Sequence
409 <220> FEATURE:
411 <223> OTHER INFORMATION: Sequence of synthetic DNA used to prepare FRT4-b sequence
413 <400> SEQUENCE: 24
414 aattcctatt ct 12
417 <210> SEQ ID NO: 25
419 <211> LENGTH: 14
421 <212> TYPE: DNA
423 <213> ORGANISM: Artificial Sequence
425 <220> FEATURE:
427 <223> OTHER INFORMATION: Sequence of synthetic DNA used to prepare FRT104-a sequence
429 <400> SEQUENCE: 25
430 agcttctata cttt 14
433 <210> SEQ ID NO: 26
435 <211> LENGTH: 14
437 <212> TYPE: DNA
439 <213> ORGANISM: Artificial Sequence
441 <220> FEATURE:
443 <223> OTHER INFORMATION: Sequence of synthetic DNA used to prepare FRT104-b sequence
445 <400> SEQUENCE: 26
446 ctagaaagta taga 14
448 <210> SEQ ID NO: 27
450 <211> LENGTH: 29
452 <212> TYPE: DNA
454 <213> ORGANISM: Artificial Sequence
456 <220> FEATURE:
458 <223> OTHER INFORMATION: Oligonucleotide (GIN-1) synthesized to prepare a plasmid containing GIN11
460 <400> SEQUENCE: 27
461 tggatccgga atttcgacgg atcaataac 29
464 <210> SEQ ID NO: 28
466 <211> LENGTH: 35
468 <212> TYPE: DNA
470 <213> ORGANISM: Artificial Sequence
472 <220> FEATURE:

VERIFICATION SUMMARY DATE: 11/05/2001
PATENT APPLICATION: US/09/869,185 TIME: 13:41:45

Input Set : A:\ES.PTO.MH.txt
Output Set: N:\CRF3\11052001\I869185.raw